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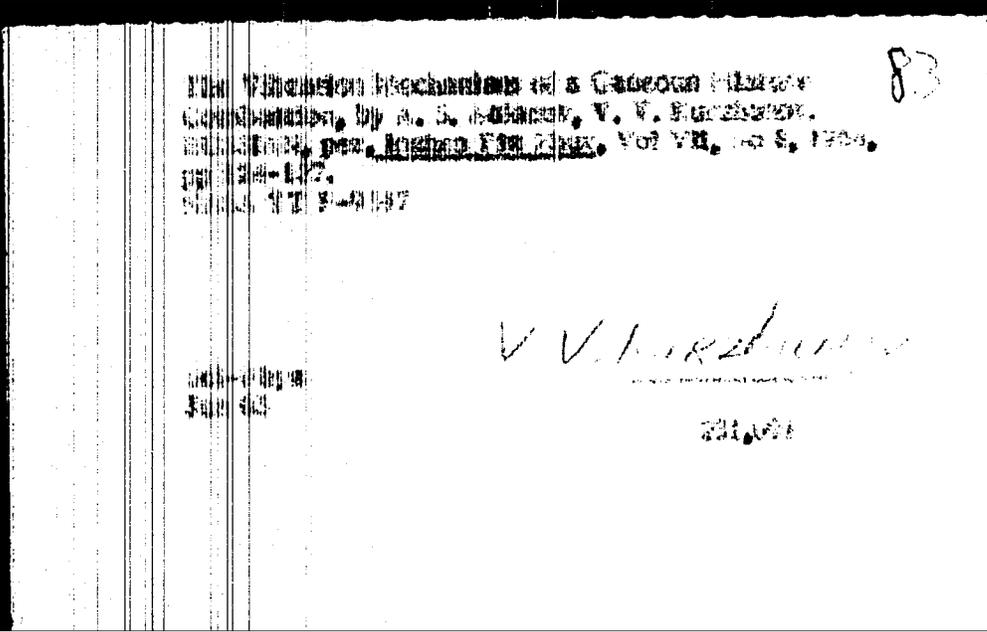
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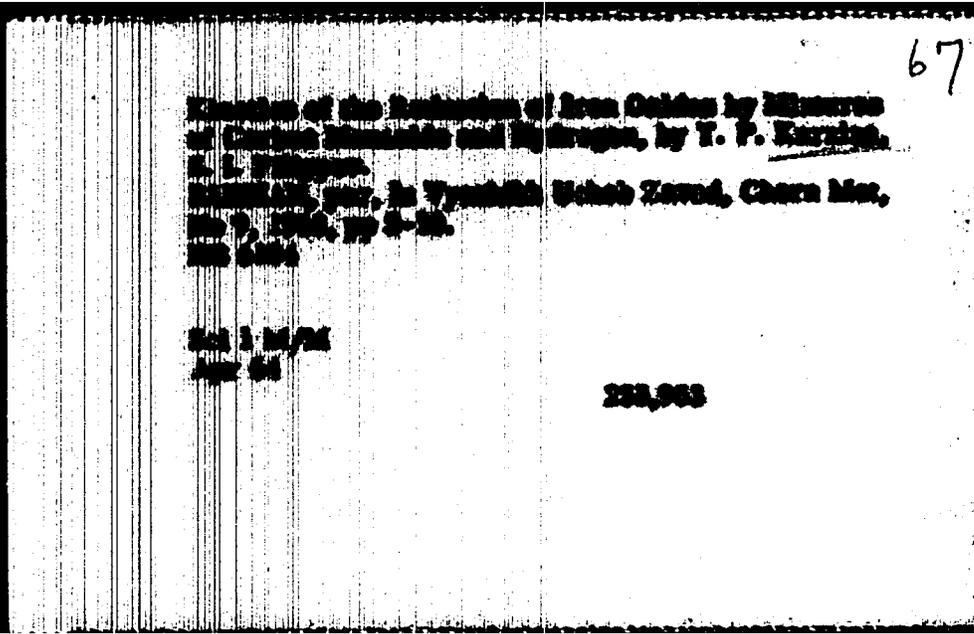
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ALLOYS TO BE ADDED IN A LADLE TO MOLTEN
STEEL. [1965] (6p) (foreign text included)
Order from OTS, SLA, or ETC \$1.10 TT-64-10538

I. Kusaka, K.
II. Patent (Japan) pub. 32-6105

Trans. of Japanese patent specification publication
Sho 32-6105, 10 Aug 57, appl. 26 Jan 56 as Sho 31-1827.
(Abstract available)

DESCRIPTORS: *Steel, Melting, Liquid metals, Alloys,
Additives, Mechanical properties,

The invention involves inoculants to be added, in a
ladle, to molten metal, which consist of 7-20% Ca,
15-30% Cr, 32-56% Si, 10-22% Fe and impurities
inevitably mixed in them. (Author)

(Metallurgy, TT, v. 11, no. 9)

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TT-64-10539

Kusaka, Kazuji.
ALLOYS TO BE ADDED IN A LADLE TO MOLTEN
METAL. [1963] [Sp] (foreign text included)
Order from OTS, SLA, or ETC \$1.10 TT-64-10539

I. Kusaka, K.
II. Patent (Japan) pub. 32-6104

Trans. of Japanese patent Specification publication
Sho 32-6104, 10 Aug 57, appl. 21 Jan 56 as Sho 31-1364.

DESCRIPTORS: Metals, Melting, *Liquid metals,
Alloys, Additives, Mechanical properties,
(Abstract available)

The invention involves inoculants to be added, in a
ladle, to molten metal, which consist of 6-20% Ca,
20-40% Mn, 35-55% Si, 6-20% Fe and impurities which
are inevitably mixed in them. (Author)

(Metallurgy, TT, v. 11, no. 9)

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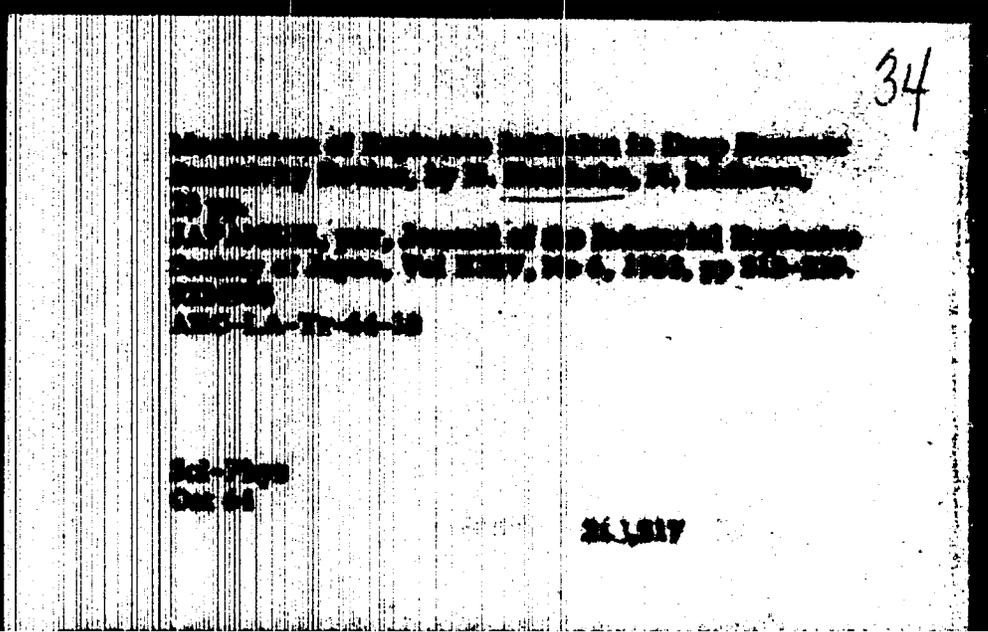
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T. Kusuhara

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Crystallization of Melts in the System FeS-Co₂S₃ by
N. G. Moleva, P. S. Kusakin, E. A. Vetrenko, N. P. Dvay.
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OTS 61-31010
PL-480

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A. A. Kusakina, 3 pp.

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Sci - Biol

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A CHARACTERISTIC OF THE MECHANICAL
PROPERTIES OF LIQUIDS OBTAINED BY BLOWING
OFF RADially A LIQUID LAYER IN A PLANE
PARALLEL SLIT. [1961] 7p. 5 refs.
Order from OTS or SLA \$1.10

61-20155

Reprint of Acta Physicochimica U. R. S. S. , 1945, v. 20,
p. 548-566.

DESCRIPTORS: *Lubrication, *Oils, Liquids, Fluids,
Mechanical properties.

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Kosakov, M., Prokof'eva, E., and Patanguz, E.
PHYSICAL CHEMISTRY OF SURFACE PHENOMENA
IN OIL TECHNOLOGY. III. WASHING OFF URETA
OIL FROM THE NATURAL ROCKS. [1961] 11p.
5 refs.

Order from OTS or SLA \$1.60

61-16831

Trans. of Akademiya Nauk SSSR. Otdelenie
Tekhnicheskikh Nauk, Izvestiya, 1960, no. 5, p. 49-58.

DESCRIPTORS: *Oils, Recovery, USSR. *Petroleum
industry, Wetting agents. Surface properties, Rock,
Physical chemistry.

The most production of oil from the Ureita field can be
obtained by washing off the oil with weak solutions of
alkali, such as soda, sodium hydroxide or potassium
hydroxide. Measuring the surface tension of the aqueous
alkali extracts revealed that there is no reason to fear
that the Ureita oil will be leached out by the alkalies
(Chemistry--Physical, TT, v. 6, no. 6)

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61-16831

I. Kosakov, M.
II. Prokof'eva, E.
III. Patanguz, E.
IV. Title: Washing...

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Pressure Point Vibration for Small
Amounts of Liquids, by L. M. KUSAKOV,
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Izv. per. Inzhenerno-Fizicheskii Zhurnal
Vol. 7, No. 5, 1964, pp. 27-38. 0227050
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M. M. KUSAKOV

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Surface Activity of Crude Oils and Their Com-
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Vol VIII, # 1955, pp 122-132.

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Kusakov, M.M. and Gudok, N.S.
INFLUENCE DES PRESSIONS EXTERIEURES SUR LES
PROPRIETES DE FILTRATION DES ROCHES PETROLI-
FERES (Influence of External Pressure on Filtration
Properties of "Oil-bearing Rocks" 17p. 15refs
CNRS-XXV 344.
Order from OTS, BTC or CNRS \$0.80 TT-62-26726

Trans. in French of Neftyanoe Khozyaistvo (USSR)
1958, v. 36, no. 6, p. 40-47.

DESCRIPTORS: *Petroleum, *Rock (Geology), Pres-
sure, Filtration, Mechanical properties, Elasticity,
Plasticity, Compressive properties, Irreversible
processes.

(Materials--Fuels, TT, v. 11, no. 6)

TT-62-26726

- I. Kusakov, M.M.
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che Scientifique, Paris

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Method for Studying of Petroleum Displacement
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M. M. Kuzakov, 14 pp.

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SLA 60-18748

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Investigation of the Interfacial tension of
Crude Oils at the Gas-Phase boundary as a
function of Pressure and Temperature,
M. M. Kusakov, et al.
Soviet J. Appl. Chem. Acad. Sci. USSR, No 14,
1958, pp. 115-134.
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61-18212

I. Kusakov, M. M.

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DEPENDENCE OF THE VISCOSITY OF LUBRICATING OILS CONTAINING ADDITIVES UPON THE CONCENTRATION OF THE LATTER AND THE TEMPERATURE. [1961] 13p. 10 refs.
Order from OTS or SLA \$1.60 61-18212

Trans. of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1944, p. 672-684.

DESCRIPTORS: *Lubrication, *Oils, *Lubricant additives, Viscosity, Temperature.

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Office of Technical Services

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Kusakov, M. M. and Zinchenko, K. E.
PHYSICAL CHEMISTRY OF SURFACE PHENOMENA
IN OIL TECHNOLOGY. II. MOLECULAR SURFACE
PROPERTIES OF OILS. [1961] 10 p. 19 refs.
Order from OTS or SLA \$1.10 61-16832

Trans. of Akademiya Nauk SSSR. Otdelenie
Tekhnicheskikh Nauk. Izvestiya, 1940, no. 4, p. 19-38.

DESCRIPTORS: *Oils, USSR, Physical chemistry,
Molecules, Surface properties, *Petroleum industry,
Recovery.

The surface tension of ten crude oils from the most
important Soviet fields and of their solutions in non-
polar medicinal oil and non-polar gasoline at the inter-
face with water were determined as a part of an in-
vestigation of molecular surface characteristics of
crude oils. The surface tension of aqueous and aqueous-
alkali extracts of these oils at the boundary with air
were also determined. These measurements revealed
(Chemistry--Physical. TT. V. 6, no. 6) (over)

61-16832

- I. Kusakov, M. M.
- II. Zinchenko, K. E.
- III. Title: Molecular...

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Kusakov, M. M. and Mekenitskaya, L. I.
INVESTIGATION OF THE STATE OF BOUND WATER
IN OIL RESERVOIRS. [1963] 17p.
Order from OIS or SLA \$1.60

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- 1. Title: Bound water
- I. Kusakov, M. M.
- II. Mekenitskaya, L. I.
- III. Title: Sbornik ...
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Trans. of mono. Issledovaniya v Oblasti Poverkhnostnykh Sil: Sbornik Dokladov na Konferentsii po Poverkhnostnym Silam, Apr 60 (Investigations in the Field of Surface Forces: Collection of Reports Made at the Conference on Surface Forces, April 1960) Moscow, 1961, p. 17-26.

DESCRIPTORS: *Geochemistry, Water, Surface properties, Films, *Oils, Models (Simulations), Electrolytes, Solutions, Porous materials, *Hydraulic accumulators, Moisture.

The conditions under which aqueous solutions can exist in the form of multimolecular wetting layers, and the (Earth Sciences--Geology, TT, v. 10, no. 9) (over)

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Surface Activity of Crude Oils and Their Com-
ponents, by V. G. Gutsalyuk, M. N.
Munakov, 10 pp.

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Investigation of the Interfacial
Tension of Crude Oils at the Gas-Phase
Boundary as a Function of Pressure
and Temperature, by M. M. Kuzakov,
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RUSSIAN, per. ENGL. Engineering
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AD-952784

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Method for Studying of Petroleum Displacement
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M. M. Kusekov, 14 pp.

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Determination of the Surface Tension of Liquid Hydrocarbons and Petroleum by the Measurement of Drop Dimensions [The Sessile-Pendent Drop Method], by M. M. Kuzakov, et al.

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Reactions of Metals with Organic Imino and Thio-
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M. H. Kiselev, P. I. Sanin, Ye. A. Razumovskaya,
A. V. Ulyanova, 6 pp.

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Wax Properties of Petroleum Oils, by
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The Effect of Pressure on the Viscosity of Solutions
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Investigation of the Mechanism of Action of
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M. M. Dusekov, P. I. Sanin, 7 pp.

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Experimental Investigation Into the Influence of
External Pressure Upon the Permeability of Oil-
Bearing Rocks, by H. S. Gudok, M. M. Kusakov,
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1958, pp 229-232.

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Displacement of Mutually Soluble Hydrocarbon
Liquids from a Porous Medium, by I. M.
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